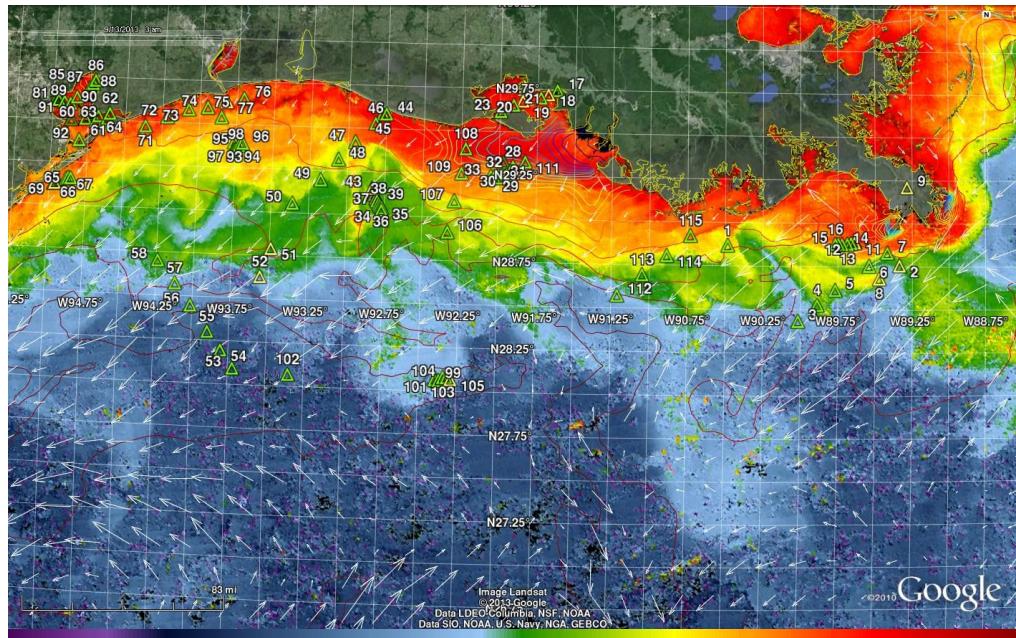


Matchups



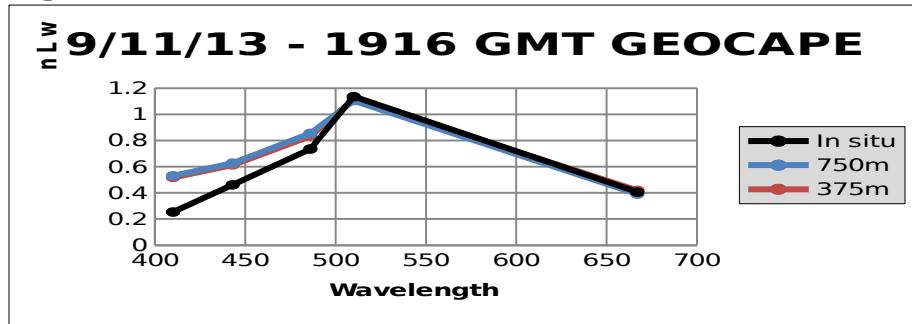
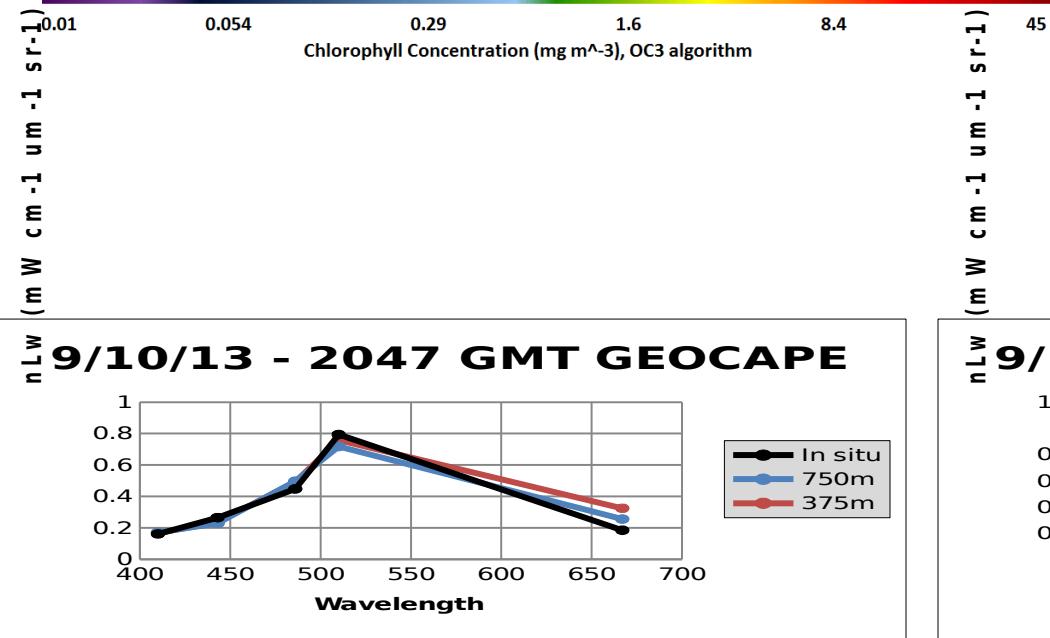
MATCHUP :

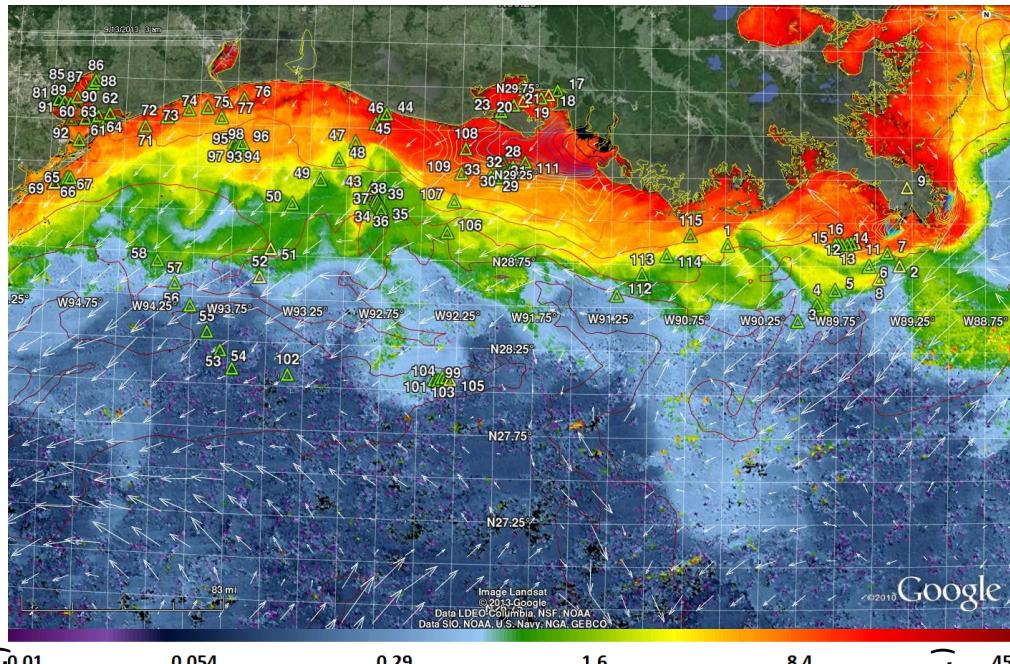
Spectral Response

NASA - GEOCAPE

09/10/13 – 09/22/13

Ondrusek et al. Cal/Val



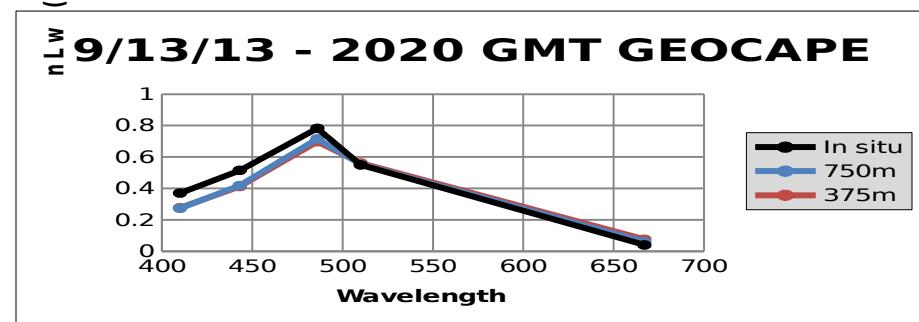
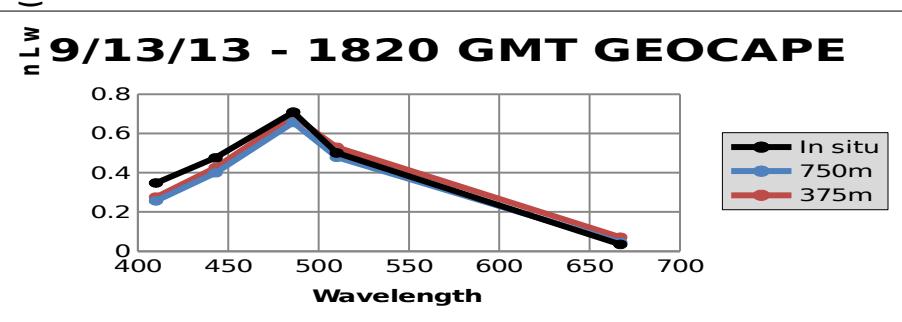
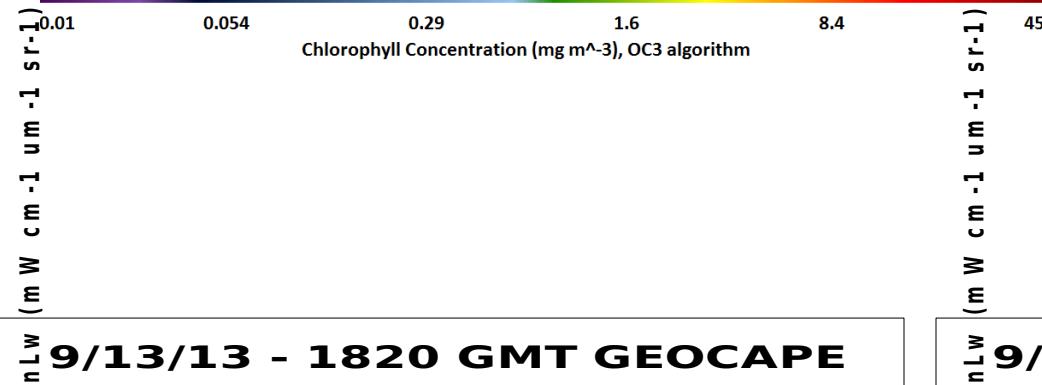


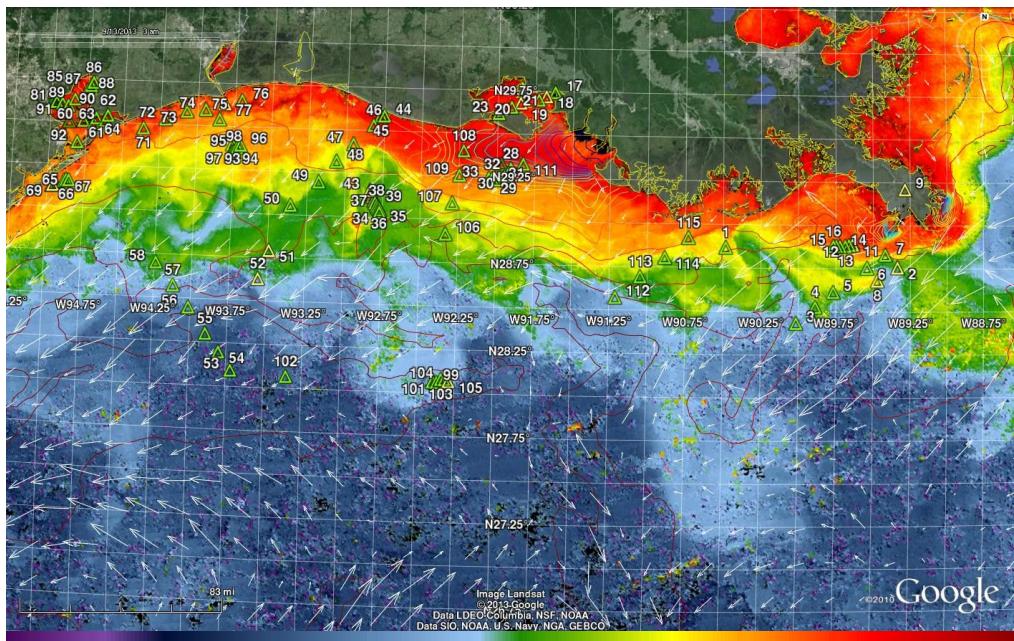
MATCHUP : Spectral Response

NASA - GEOCAPE

09/10/13 - 09/22/13

Ondrusek et al. Cal/Val

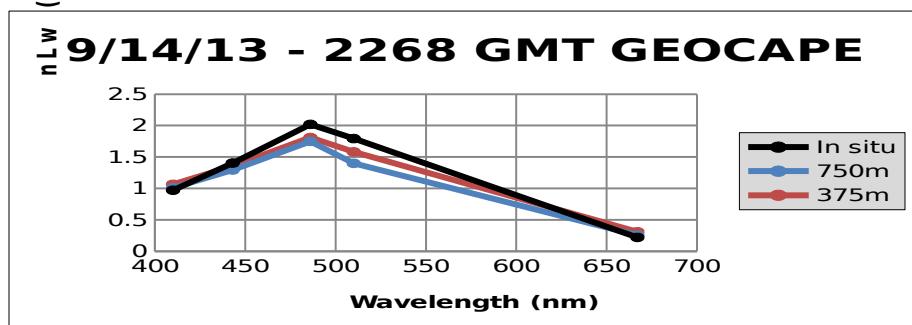
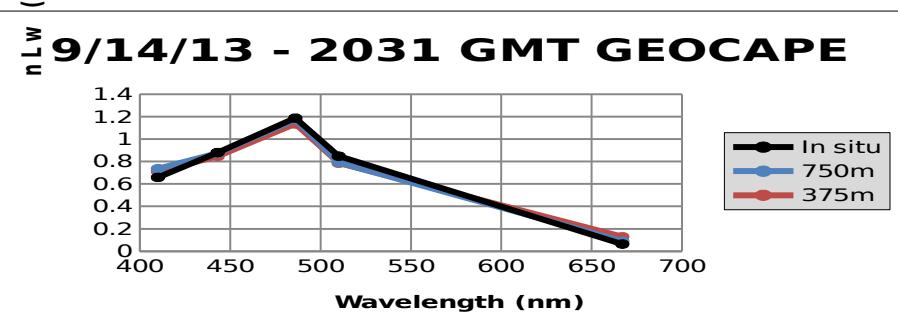
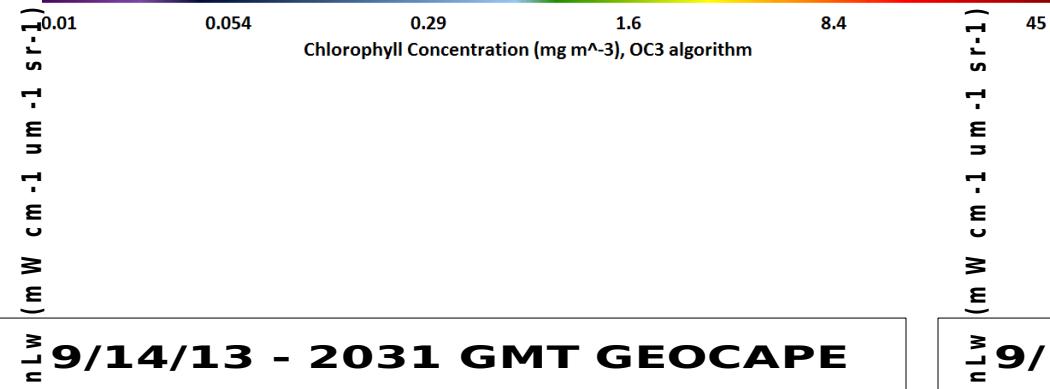




MATCHUP : Spectral Response

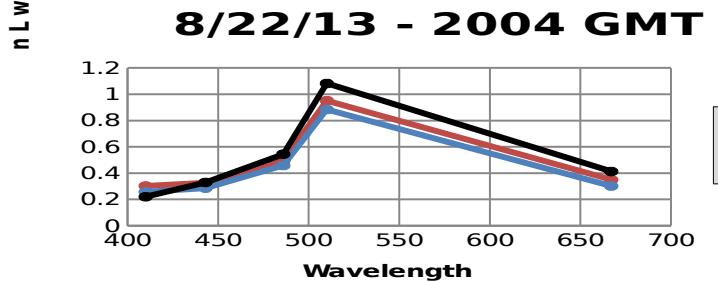
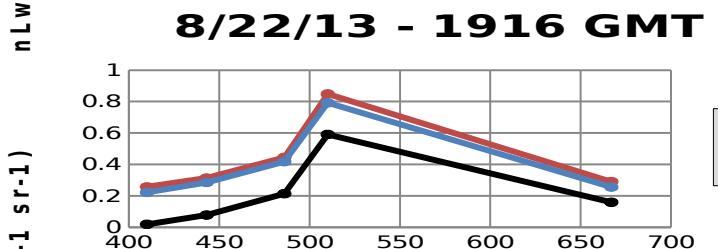
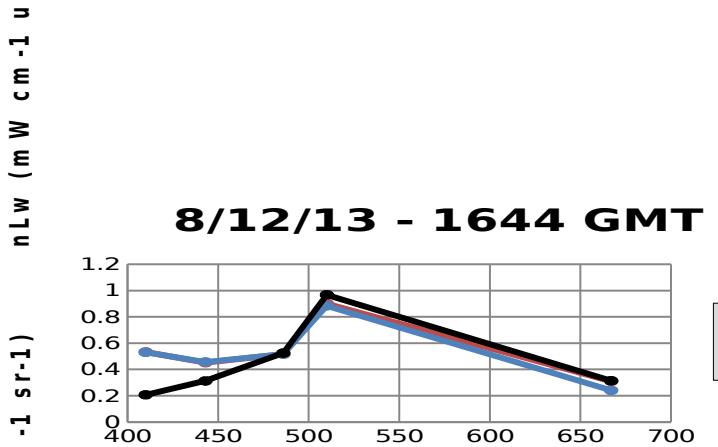
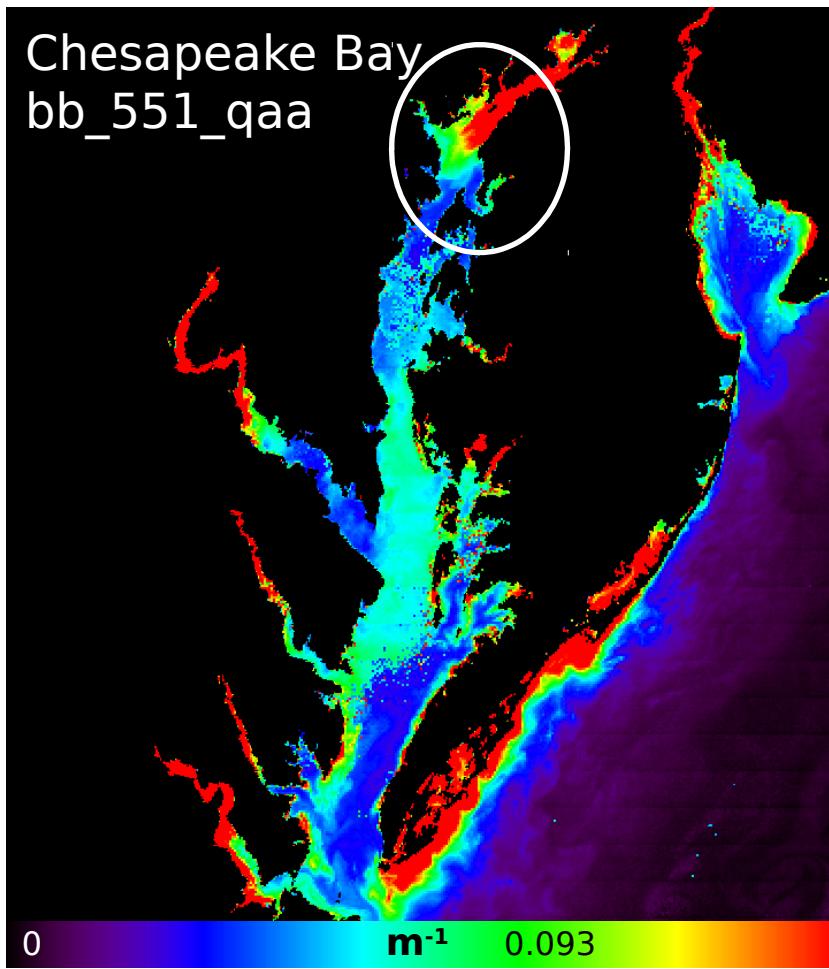
NASA - GEOCAPE
09/10/13 - 09/22/13

Ondrusek et al. Cal/Val



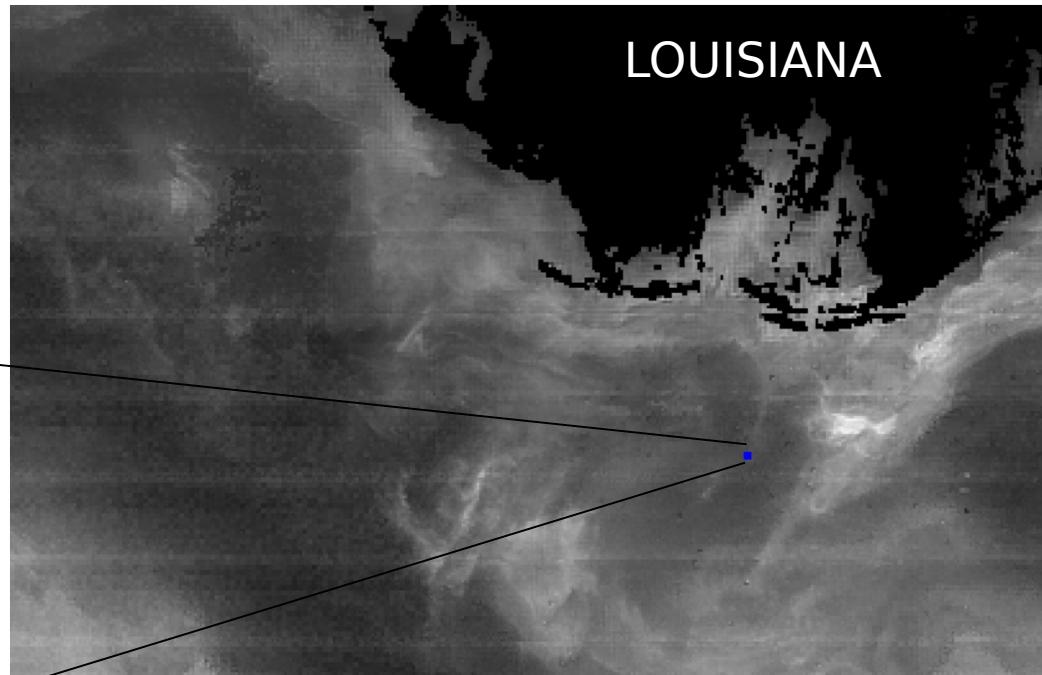
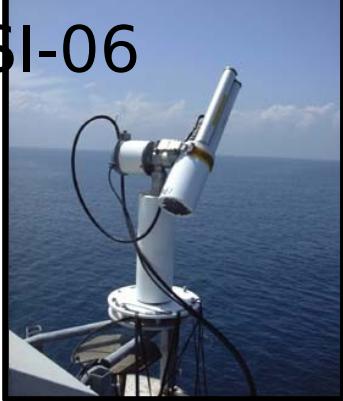
MATCHUP : Spectral Response

Ondrusek et al.
Cal/Val

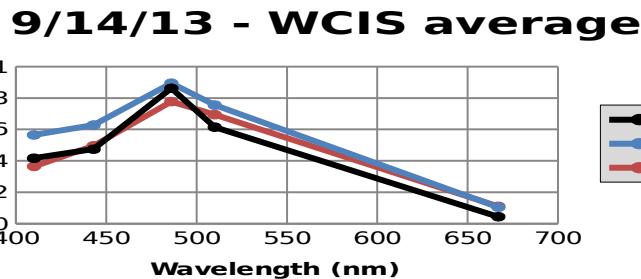


MATCHUP : Spectral Response

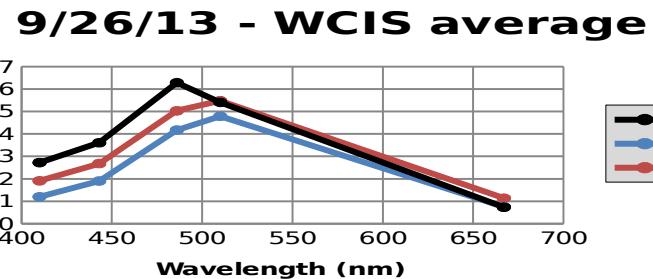
AERONET -
WCIS Station
CSI-06



nLW ($\text{m W cm}^{-1} \text{ um}^{-1} \text{ sr}^{-1}$)



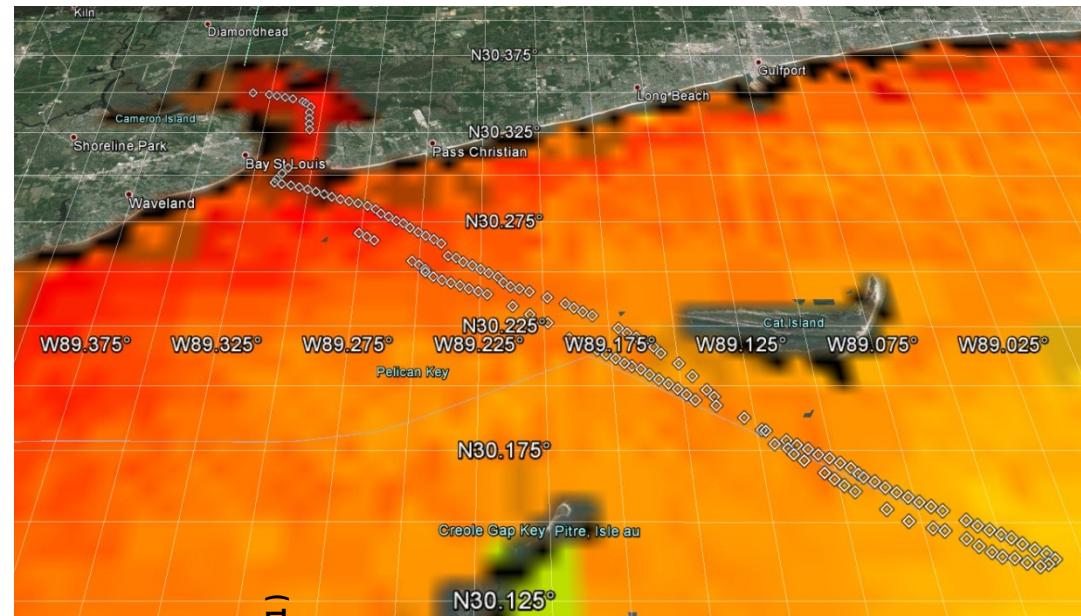
nLW ($\text{m W cm}^{-1} \text{ um}^{-1} \text{ sr}^{-1}$)



In situ
750m
375m

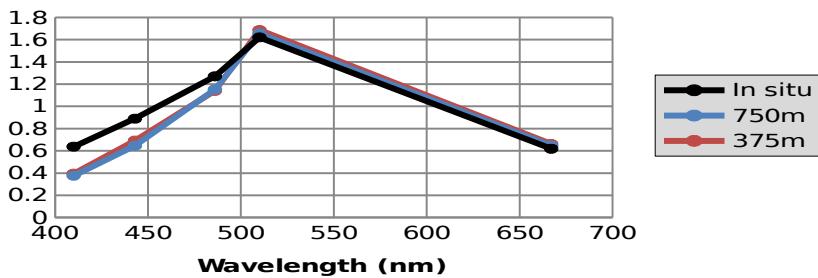
MATCHUP : Spectral Response

Naval Research
Lab
R/V Ocean Color
11/20/13



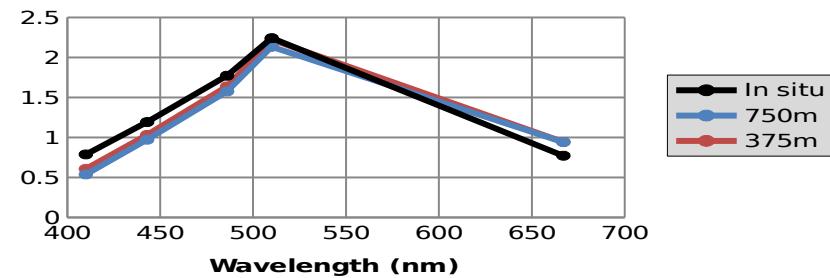
n_L^W (mW cm⁻¹ um⁻¹ sr⁻¹)

11/20/13 - MS Bight, 1630 GMT



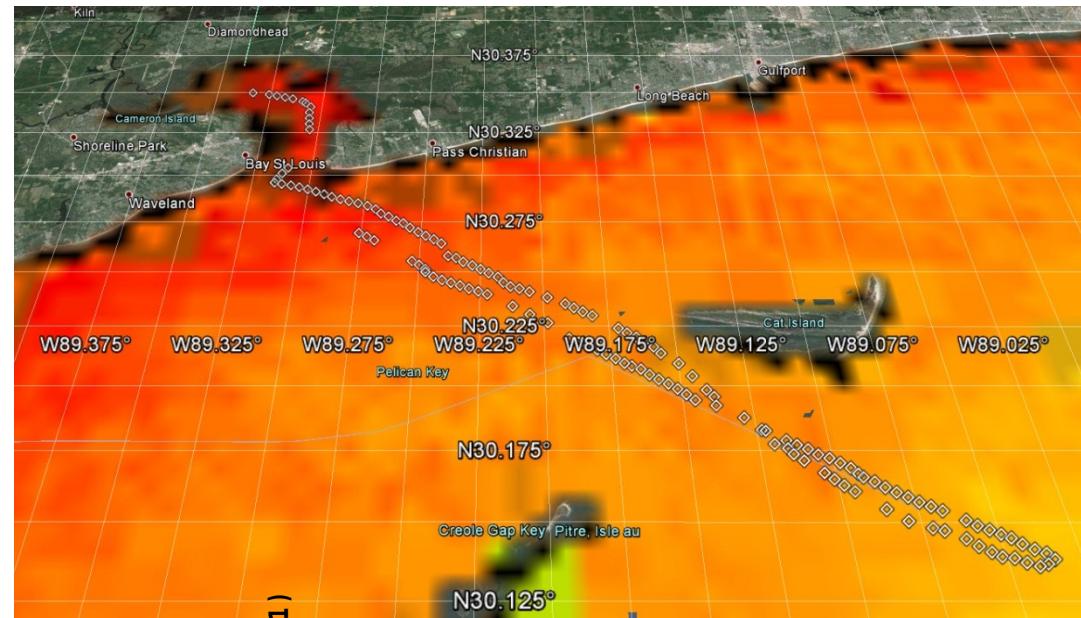
n_L^W (mW cm⁻¹ um⁻¹ sr⁻¹)

11/20/13 - MS Bight, 1725 GMT



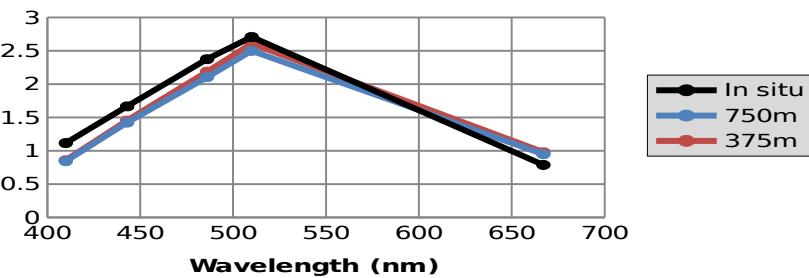
MATCHUP : Spectral Response

Naval Research
Lab
R/V Ocean Color
11/20/13



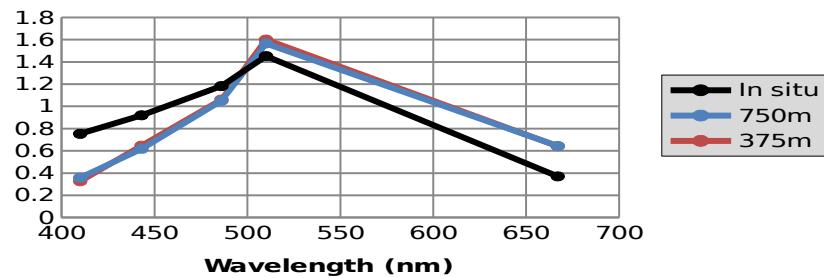
n_L^W (mW cm⁻¹ um⁻¹ sr⁻¹)

11/20/13 - MS Bight, 1805 GMT



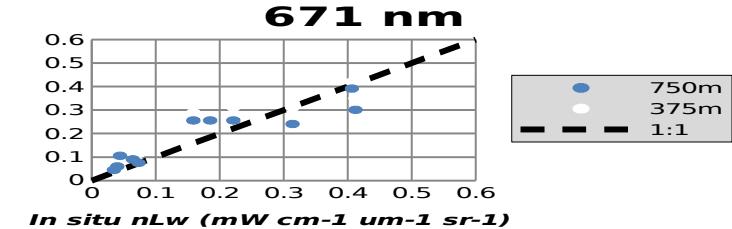
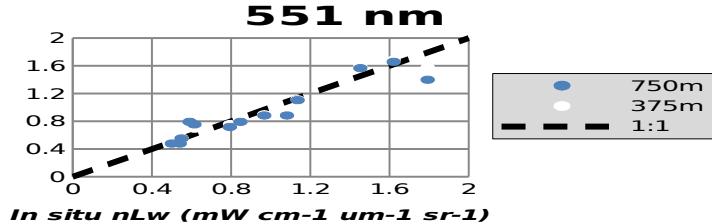
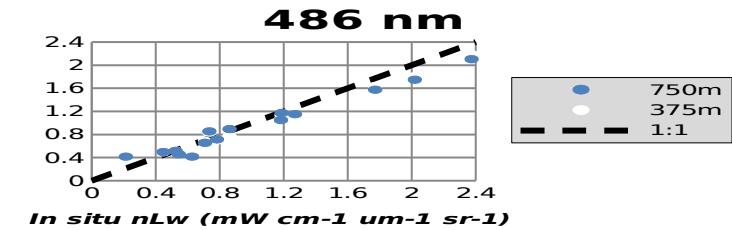
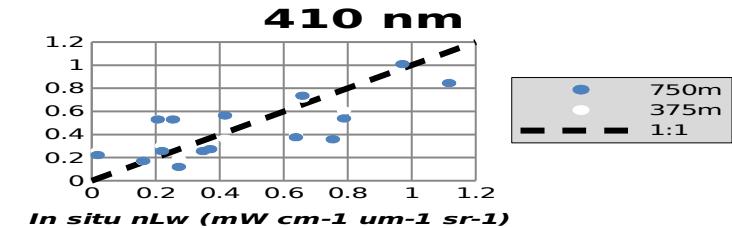
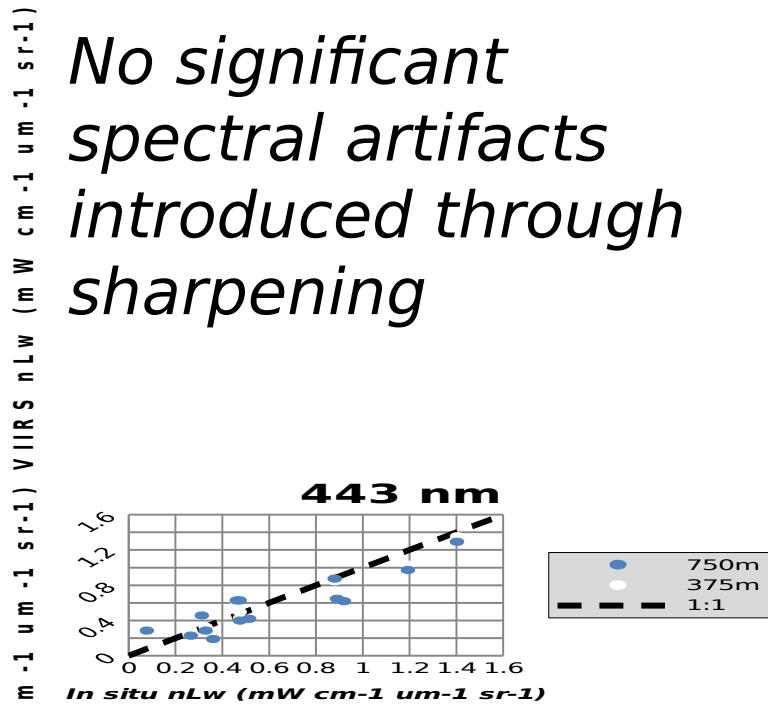
n_L^W (mW cm⁻¹ um⁻¹ sr⁻¹)

11/20/13 - MS Bight, 1920 GMT

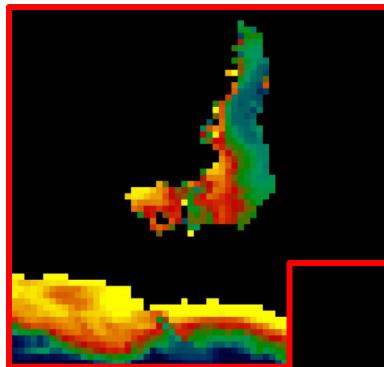
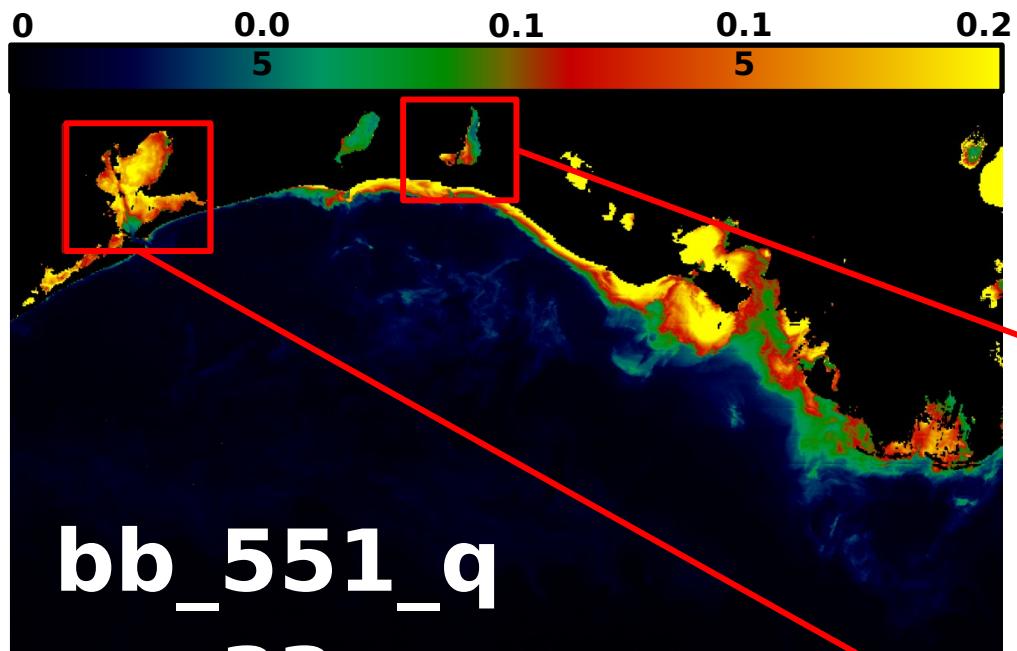


TOTAL MATCHUPS: 15

*No significant
spectral artifacts
introduced through
sharpening*

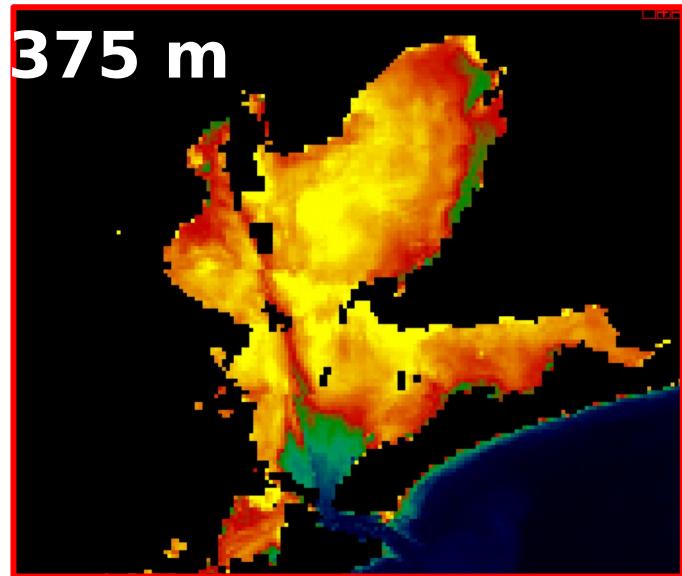
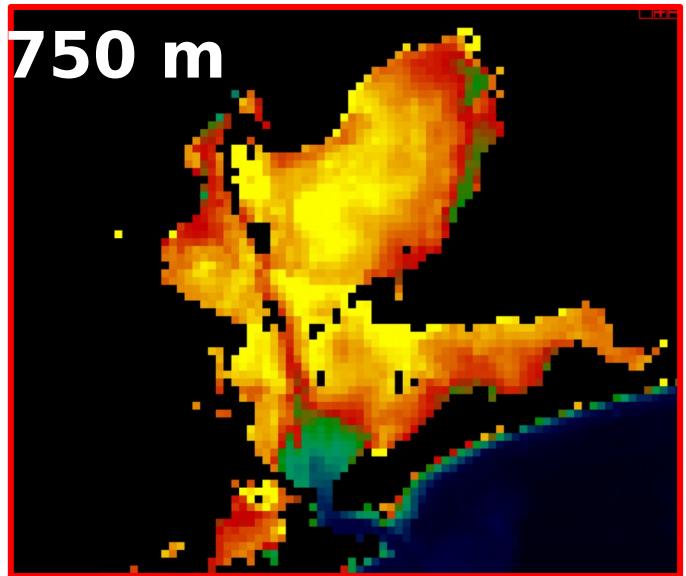
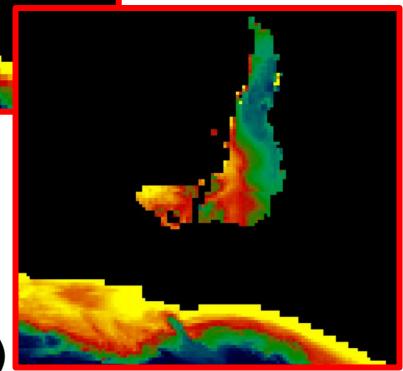


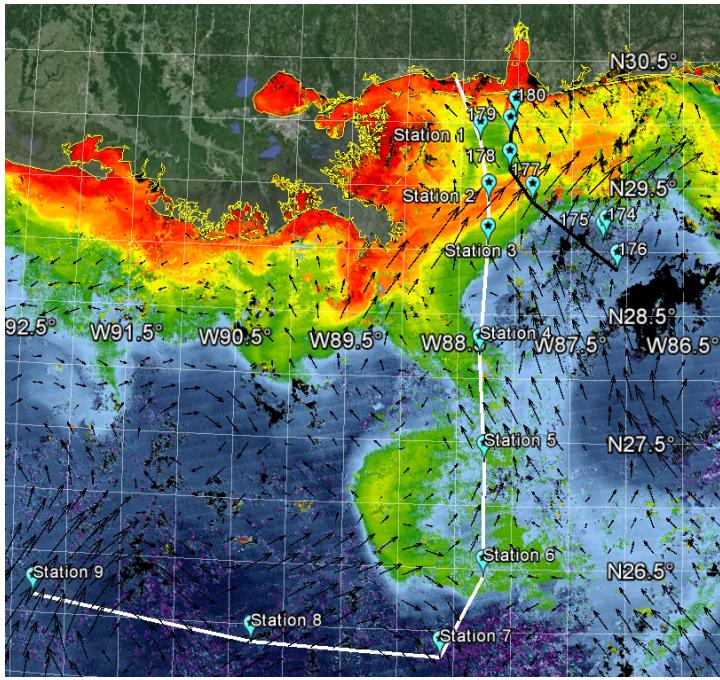
b_b 551 (m^{-1})



≤ 750 m
(standard)

375 m
✉
(sharpened)



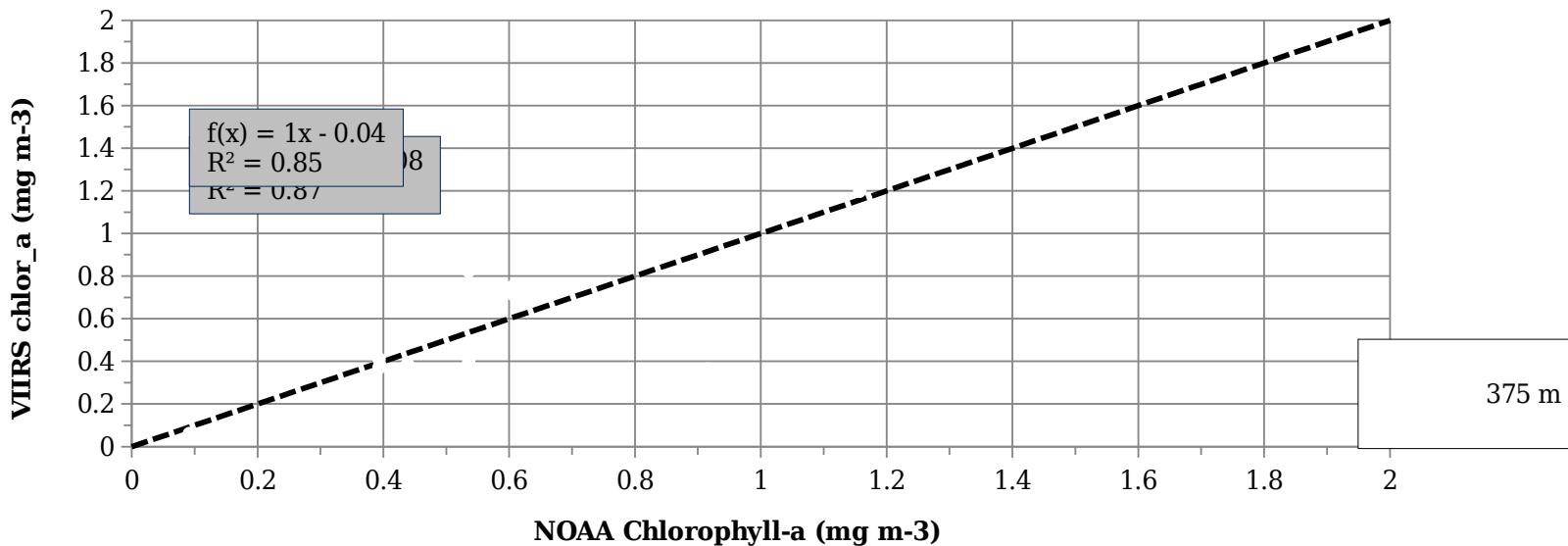


MATCHUP : TEST RATIO ALGORITHMS

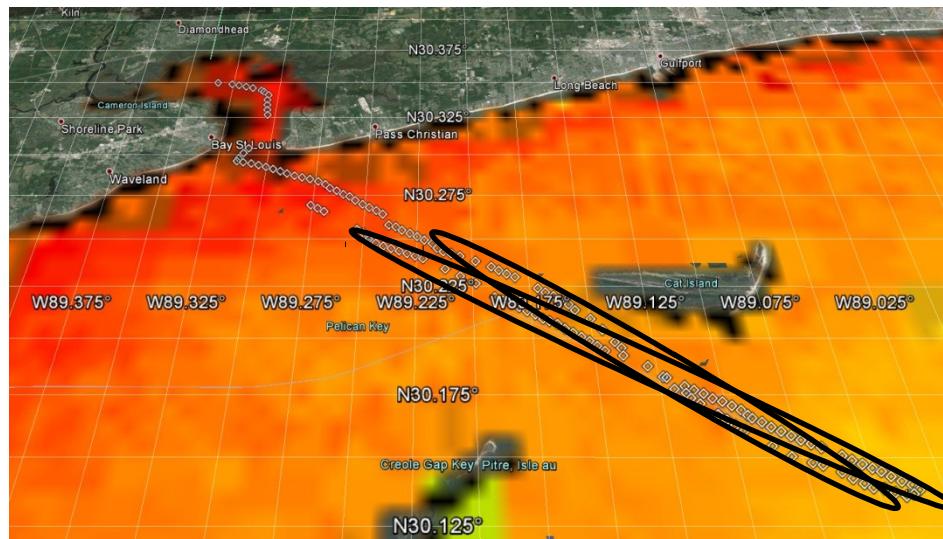
NOAA National Marine Fisheries

08/21/13 - 08/23/13 , 09/27/13

Chlorophyll-a Fluorescence
VIIRS (375-m v. 750-m) matchup, APS

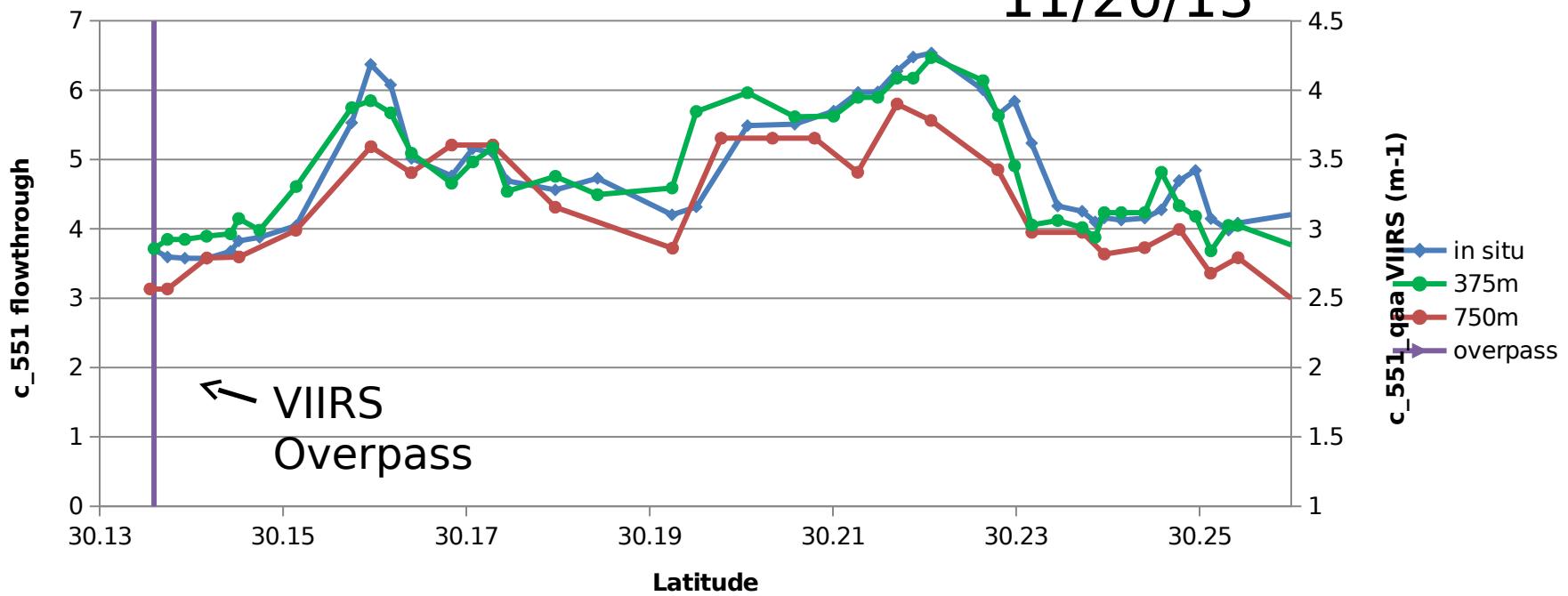


MATCHUP : TEST FEATURE DETECTION



Naval Research Lab

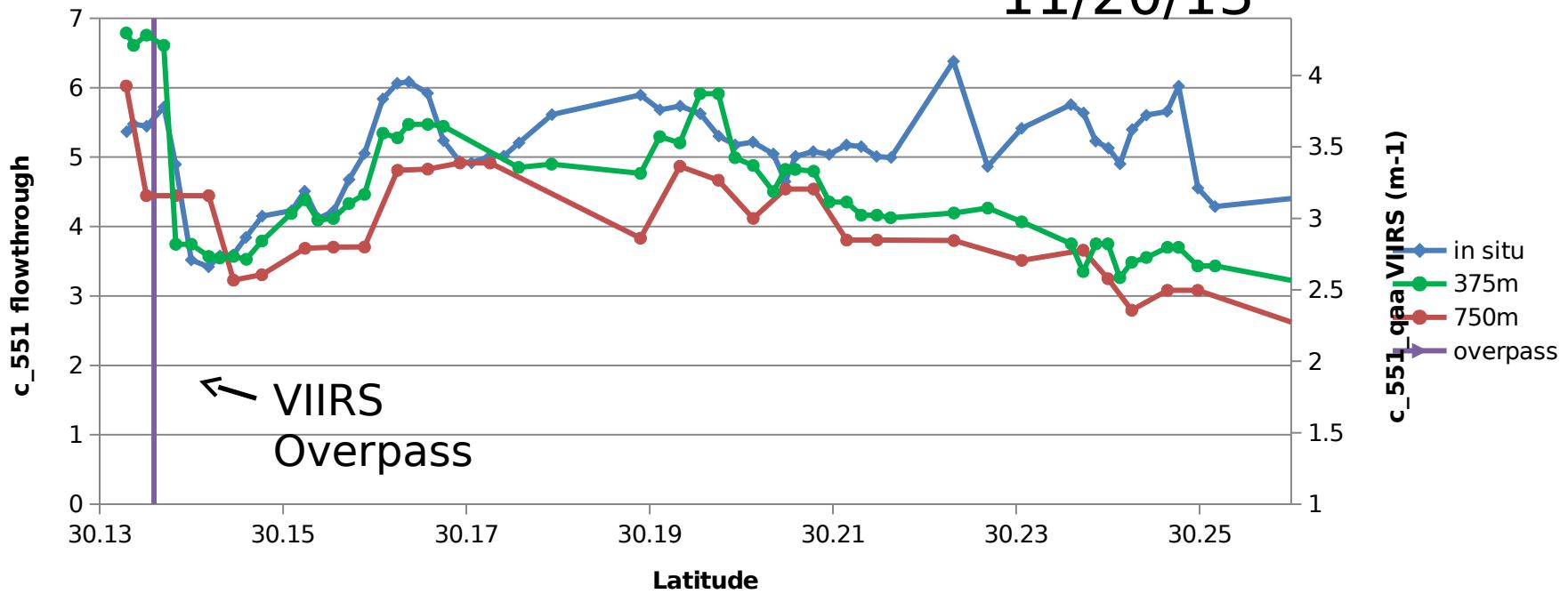
R/V Ocean Color
Flow-through Beam_C
11/20/13



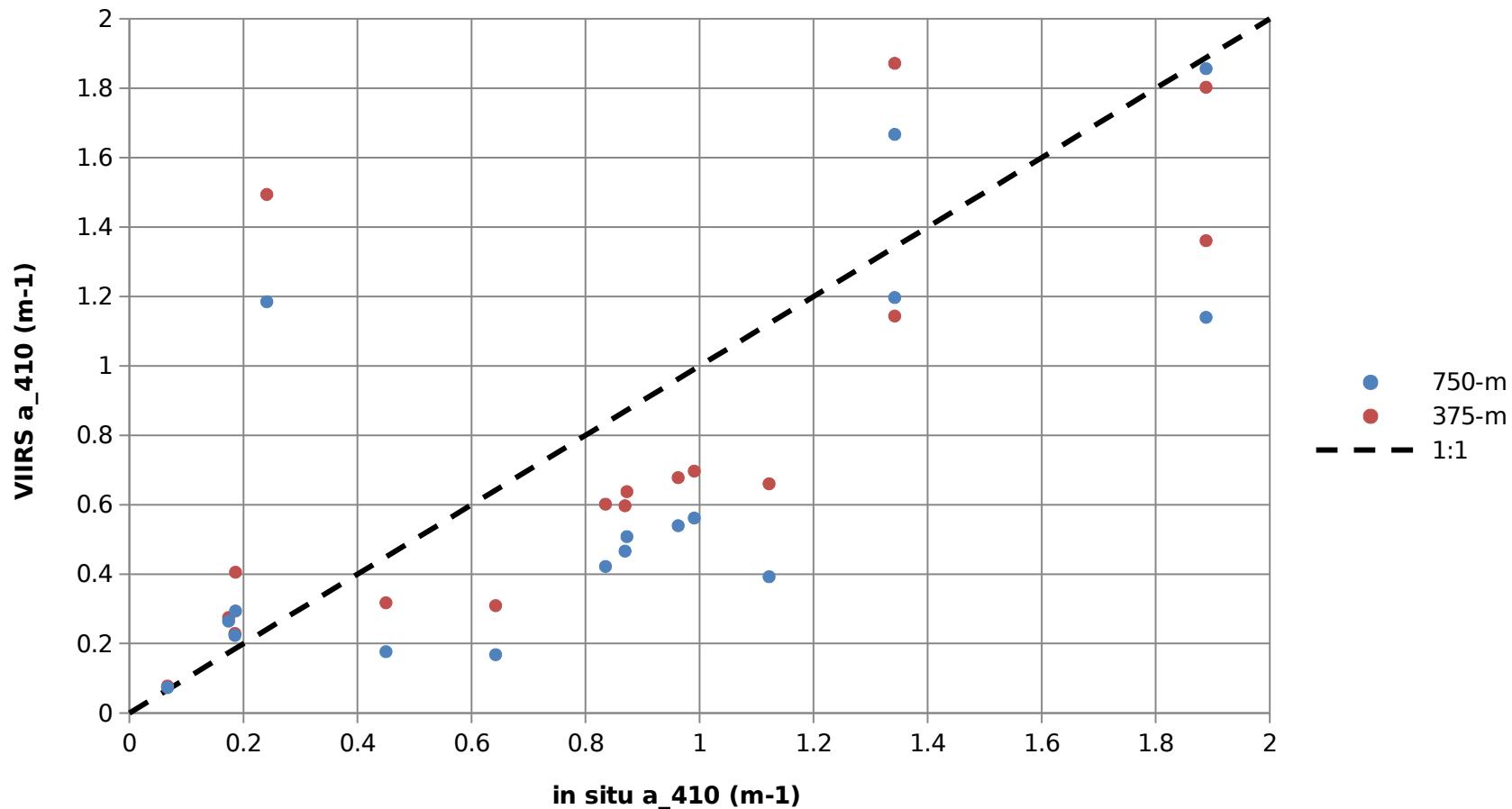
MATCHUP : TEST FEATURE DETECTION

Naval Research Lab

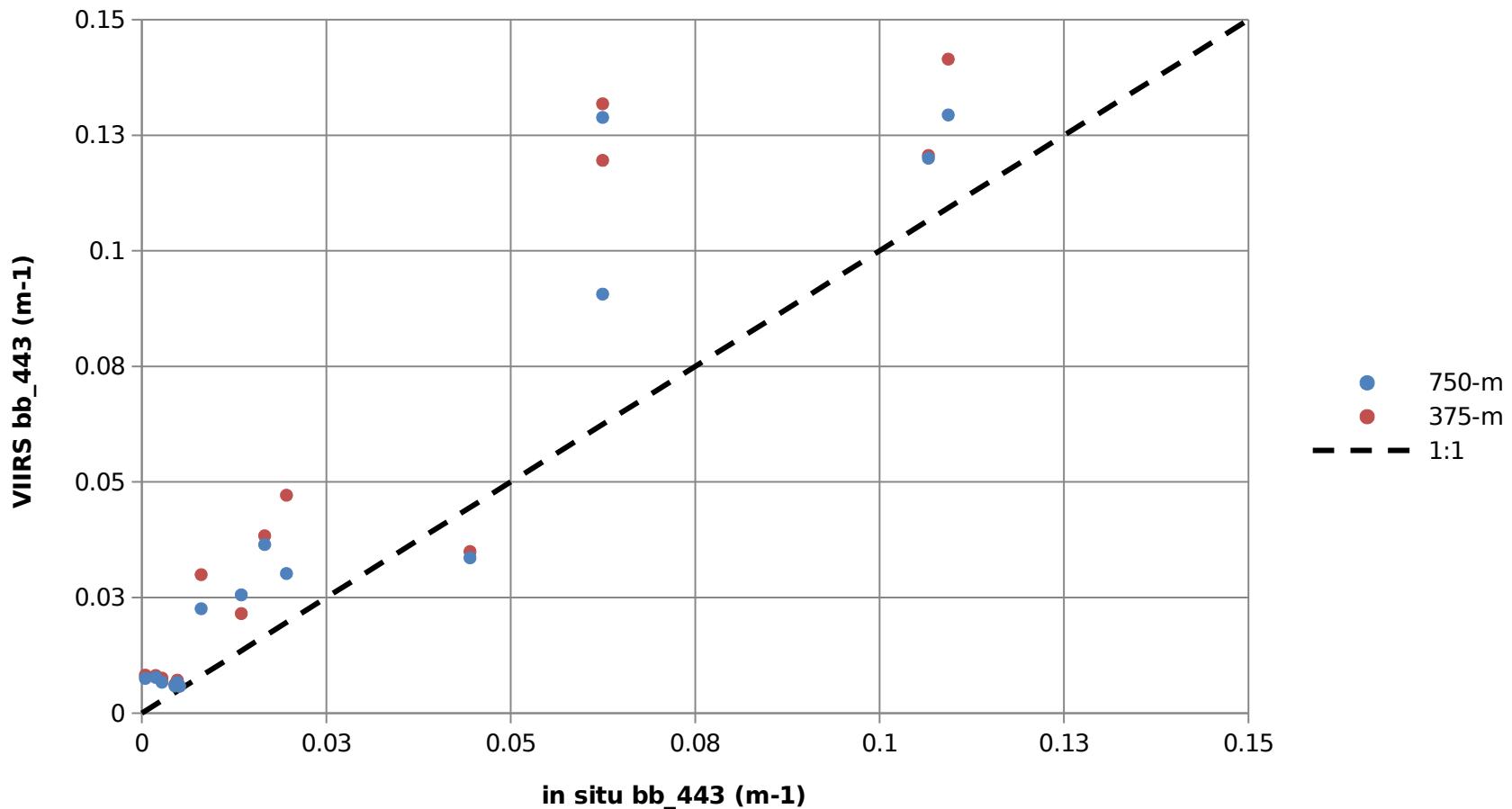
R/V Ocean Color
Flow-through Beam_C
11/20/13



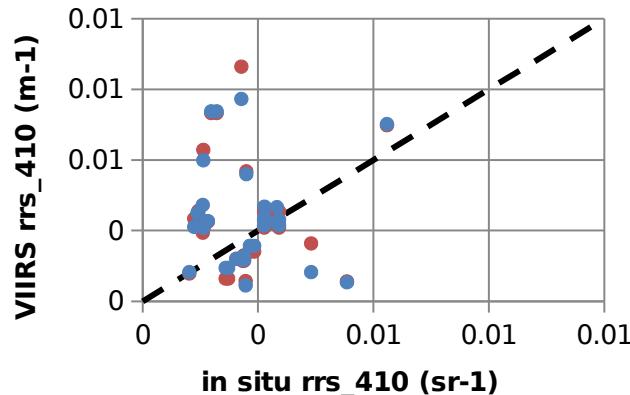
Zhongping Lee a_410 matchup



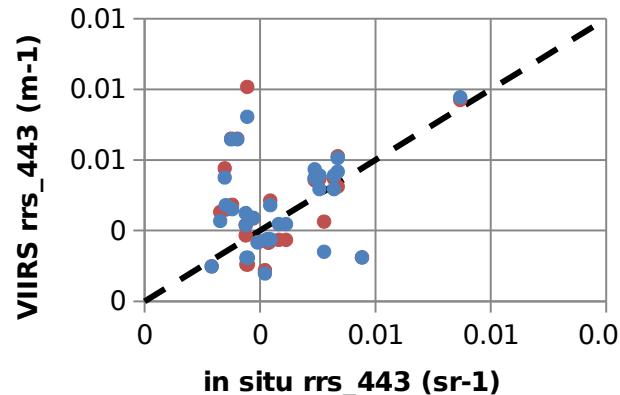
Mike Ondrusek bb_443 matchup



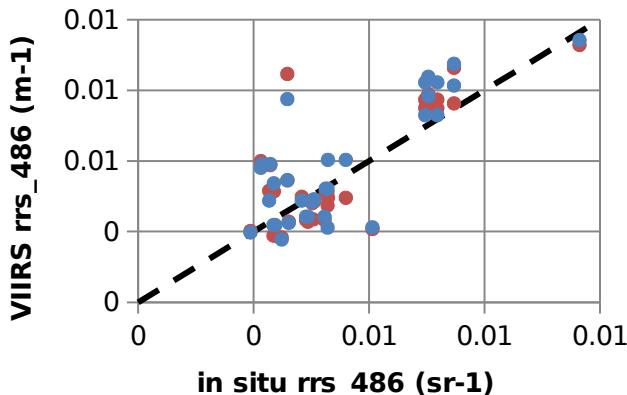
Zhongping Rrs matchups



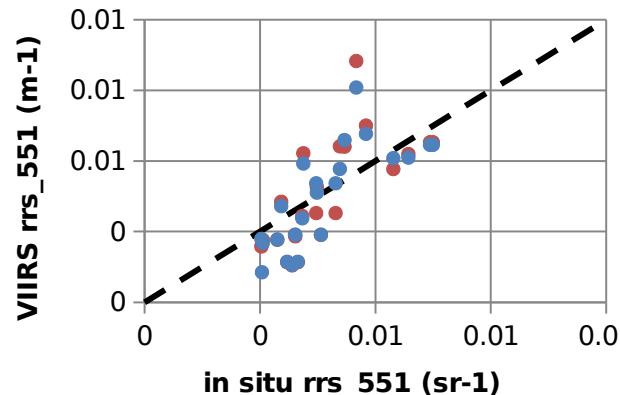
750-m
375-m
— 1:1



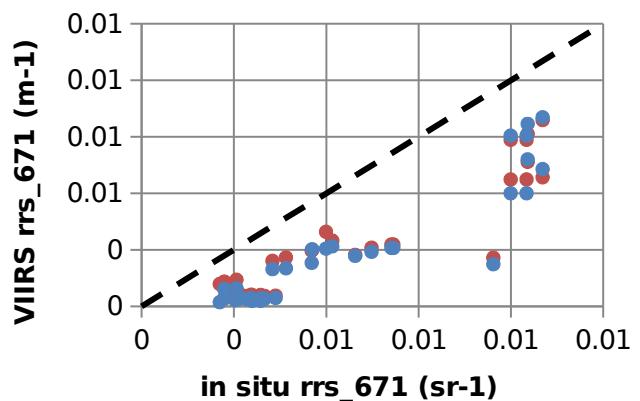
750-m
375-m
— 1:1



750-m
375-m
— 1:1



750-m
375-m
— 1:1



750-m
375-m
— 1:1